



# 32nd International Symposium on Lattice Field Theory (Lattice 2014)

## Monday, 23 June 2014

### Hadron Structure: Parallel 1D - 301 Pupin (14:15 - 15:55)

-Conveners: Marina Marinkovic

| time  | [id] title  | presenter               |
|-------|---|-------------------------|
| 14:15 | [103] A new strategy for evaluating the LO HVP contribution to $(g-2)_\mu$ on the lattice   | MALTMAN, Kim            |
| 14:35 | [387] The leading hadronic contribution to $(g-2)$ of the muon: The chiral behavior using the mixed representation method             | Dr FRANCIS, Anthony     |
| 14:55 | [298] The leading disconnected contribution to the anomalous magnetic moment of the muon  | Ms GUELPERS, Vera       |
| 15:15 | [267] The strange and charm quark contributions to the anomalous magnetic moment $(g-2)$ of the muon from current-current correlators | Ms CHAKRABORTY, Bipasha |
| 15:35 | [426] Lattice Calculation of the Hadronic Light by Light Contributions to the Muon Anomalous Magnetic Moment                          | Mr JIN, Luchang         |

### Hadron Structure: Parallel 2D - 301 Pupin (16:30 - 17:30)

-Conveners: Will Detmold

| time  | [id] title   | presenter                |
|-------|--|--------------------------|
| 16:30 | [314] Decay constants of the pion and its excitations on the lattice           | Mrs MASTROPAS, Ekaterina |
| 16:50 | [169] Volume effects on the method of extracting form factors at zero momentum | Prof. TIBURZI, Brian     |
| 17:10 | [57] Pi N Sigma Term and Scalar Form Factor from Overlap Fermion               | Prof. LIU, Keh-Fei       |

## Tuesday, 24 June 2014

### Hadron Structure: Parallel 3D - 301 Pupin (14:15 - 15:55)

-Conveners: Kostas Orginos

| time  | [id] title   | presenter           |
|-------|--|---------------------|
| 14:15 | [413] Initial nucleon structure results with chiral quarks at the physical point | Dr SYRITSYN, Sergey |
| 14:35 | [264] News from hadron structure calculations with twisted mass fermions         | Mr WIESE, Christian |
| 14:55 | [313] Nucleon and pion structure in $n_f=2$ QCD                                  | Prof. BALI, Gunnar  |
| 15:15 | [56] Hadron mass decomposition from Lattice QCD                                  | Dr YANG, yibo       |
| 15:35 | [317] Quark Spin in the Nucleon with Overlap Fermion                             | Dr GONG, Ming       |

### Hadron Structure: Parallel 4D - 301 Pupin (16:30 - 18:10)

-Conveners: Keh-Fei Liu

| time  | [id] title   | presenter             |
|-------|--|-----------------------|
| 16:30 | [198] Calculation of disconnected contributions to nucleon form factors using hierarchical probing | Dr MEINEL, Stefan     |
| 16:50 | [138] Results on the disconnected contributions for hadron structure                               | Dr VAQUERO, Alejandro |
| 17:10 | [402] Disconnected contribution to the nucleon charges from $N_f = 2+1+1$ lattice QCD              | Dr YOON, Boram        |
| 17:30 | [361] Strange quark momentum fraction from overlap fermion   | SUN, Mingyang         |
| 17:50 | [141] Computing the nucleon sigma terms at the physical point                                      | Dr TORRERO, Christian |

# Wednesday, 25 June 2014

## Hadron Structure: Parallel 6D - 301 Pupin (11:10 - 13:10)

-Conveners: Stefan Meinel

| time  | [id] title   | presenter                    |
|-------|--|------------------------------|
| 11:10 | [300] Suppression of excited-state effects in lattice determination of nucleon electromagnetic form factors                    | Dr VON HIPPEL, Georg         |
| 11:30 | [246] Nucleon electromagnetic form factors from twisted mass lattice QCD   | Dr KOUTSOU, Giannis          |
| 11:50 | [275] Systematics analyses on nucleon isovector observables in 2+1-flavor dynamical domain-wall lattice QCD near physical mass | Dr OHTA, Shigemi             |
| 12:10 | [391] Nucleon axial form factors from two-flavour Lattice QCD  | Dr JUNNARKAR, Parikshit      |
| 12:30 | [326] Axial and tensor charges of baryons using twisted mass fermions  | Prof. ALEXANDROU, Constantia |
| 12:50 | [62] Precision calculations of nucleon charges $g_A$ , $g_S$ and $g_T$   | Dr GUPTA, Rajan              |

# Thursday, 26 June 2014

## Hadron Structure: Parallel 7D - 301 Pupin (14:15 - 16:35)

-Conveners: James Zanotti

| time  | [id] title   | presenter            |
|-------|--|----------------------|
| 14:15 | [372] Electric polarizability of neutral hadrons from dynamical lattice QCD ensembles  | Mr LUJAN, Michael    |
| 14:35 | [400] Perturbative reweighting, dilution, and low mode substitution for sea quark contribution to the neutron polarizability | Dr FREEMAN, Walter   |
| 14:55 | [111] Background field method and nonrelativistic QED matching   | Dr LEE, JONG-WAN     |
| 15:15 | [59] Vacuum alignment and lattice artifacts  | GOLTERMAN, Maarten   |
| 15:35 | [308] Electromagnetic structure of charmed baryons in Lattice QCD  | CAN, Kadir Utku      |
| 15:55 | [385] Radiative Physics on the Lattice using Distillation  | Mr SHULTZ, Christian |
| 16:15 | [196] Electromagnetic matrix elements for excited Nucleons   | Mr OWEN, Benjamin    |

# Friday, 27 June 2014

## Hadron Structure: Parallel 8D - 301 Pupin (14:15 - 15:55)

-Conveners: Kim Maltman

| time  | [id] title   | presenter          |
|-------|--|--------------------|
| 14:15 | [310] Towards the physical point hadronic vacuum polarisation from Möbius DWF                                      | MARINKOVIC, Marina |
| 14:35 | [345] Leading-order hadronic contribution to $g_{\mu-2}$ from $N_f=2+1$ simulations down to the physical pion mass | Mr MALAK, Rehan    |
| 14:55 | [349] A Study of the anomalous magnetic moment of the muon computed from the Adler function                        | Mr HORCH, Hanno    |
| 15:15 | [307] Study of the couplings of QED and QCD from the Adler function  | HERDOIZA, Gregorio |
| 15:35 | [436] Towards the large volume limit - An application to hadronic contributions to muon $g-2$ and EM corrections   | LEHNER, Christoph  |

## Hadron Structure: Parallel 9D - 301 Pupin (16:30 - 18:30)

-Conveners: Rajan Gupta

| time  | [id] title  | presenter           |
|-------|---|---------------------|
| 16:30 | [204] A Feynman-Hellmann approach to the spin structure of hadrons  | Dr ZANOTTI, James   |
| 16:50 | [128] Glue Helicity $\Delta G$ In the Nucleon   | SUFIAN, Raza        |
| 17:10 | [108] Nucleon transverse momentum-dependent parton distributions from domain wall fermion calculations at 297 MeV pion mass | ENGELHARDT, Michael |
| 17:30 | [348] Nonperturbative renormalisation for low moments of light-meson distribution amplitudes                                | FLYNN, Jonathan     |
| 17:50 | [4] A framework for the calculation of the $\Delta N \gamma^*$ transition form factor on the lattice                        | Dr RUSSETSKY, Akaki |
| 18:10 | [5] Signal/noise optimization strategies for stochastically estimated correlation functions                                 | ENDRES, Michael G   |